



## Enterprise Solutions Episode 2 J2EE Application Deployment

### Resources

- <http://www.edg.utah.gov>
- <http://java.sun.com>
- *Core Java 2 Volume 1—Fundamentals* by Horstmann and Cornell
- *Core Servlets and JavaServer Pages* by Marty Hall
- *Designing Enterprise Applications* by Nicholas Kassem

### J2EE Deployment

- In theory, all applications that follow the J2EE standard are cross-platform compatible.
- An application that is packaged for deployment to a J2EE compliant server could, in theory, be deployed successfully to a different J2EE compliant server without modification.

### J2EE JAR Components

- JAR Files: Java Archive files that contain application components such as enterprise beans, entity beans, various Java classes, and JSPs. Also known as an application module.
- WAR Files: Web Archive files that contain web components for an application, usually JSPs, HTML, and JavaScript. Also known as an application module.
- EAR Files: Enterprise Archive files that contain all of the components for the application, including any JAR or War Files.
- WAR (web.xml) and EAR (application.xml) files each contain an XML deployment descriptor file that supplies structural information to the Application Server.

### Step 1: Create the Application Modules

1. Verify that the appropriate deployment descriptor file exists (web.xml in a WEB\_INF directory)
2. Open a DOS editor
3. Go to the root directory of the component to be packaged
4. Type "jar cvf0 c:\proiecte\test\test.war \*.\*"

### Step 2: Package the Modules

1. In the DOS editor, change directory to the J2EE bin directory (c:\j2sdkee1.2.1\bin)
2. Set j2ee\_home=c:\j2sdkee1.2.1
3. Set java\_home=c:\jdk1.3.1
4. Open the deployment tool by typing deploytool (one word)
5. Select File>New Application
6. Type in the name of the app and browse to its location and click ok
7. Select File>Add Web Component to Application and select your WAR file
8. Select Tools>Verifier, select your WAR file and click OK
9. Select File>Save, and then exit